

Abstract of The Disclosure

A server-proxy-client network delivers web content objects from servers to clients from cache content at a proxy server in between. Multiple, moving-window buffers are used to service content requests of the server by various independent clients. A first request for content is delivered by the server through the proxy to the requesting client. The content is simultaneously duplicated to a first circulating buffer. Once the buffer fills, the earlier parts are automatically deleted. The buffer therefore holds a most-recently delivered window of content. If a second request for the same content comes in, a check is made to see if the start of the content is still in the first buffer. If it is, the content is delivered from the first buffer. Otherwise, a second buffer is opened and both buffers are used to deliver what they can simultaneously. Such process can open up third and fourth buffers depending on the size of the content, the size of the buffers, and the respective timing of requests.